



Synopsis

May 2023 was a very active weather month. The began with critical fire weather conditions and isolated afternoon storms. The pattern changed around the middle of the month when more moisture arrived and precipitation became more widespread. The last couple weeks of the month were full of severe weather and flash flooding, particularly in eastern NM. Hail as large as 3" was reported along with several tornadoes. Severe to extreme drought conditions in eastern NM had significant improvement after rounds of storms generated flash flooding in locations like Clovis and Tucumcari. The unusually wet pattern became known as "Maysoon".



Photo courtesy Landon Moeller
Supercell near Grady | May 25th



Photo courtesy Andrew Justin
Tornado Encino | May 26th



Photo courtesy Jake Thompson
3 inch hail | May 25th

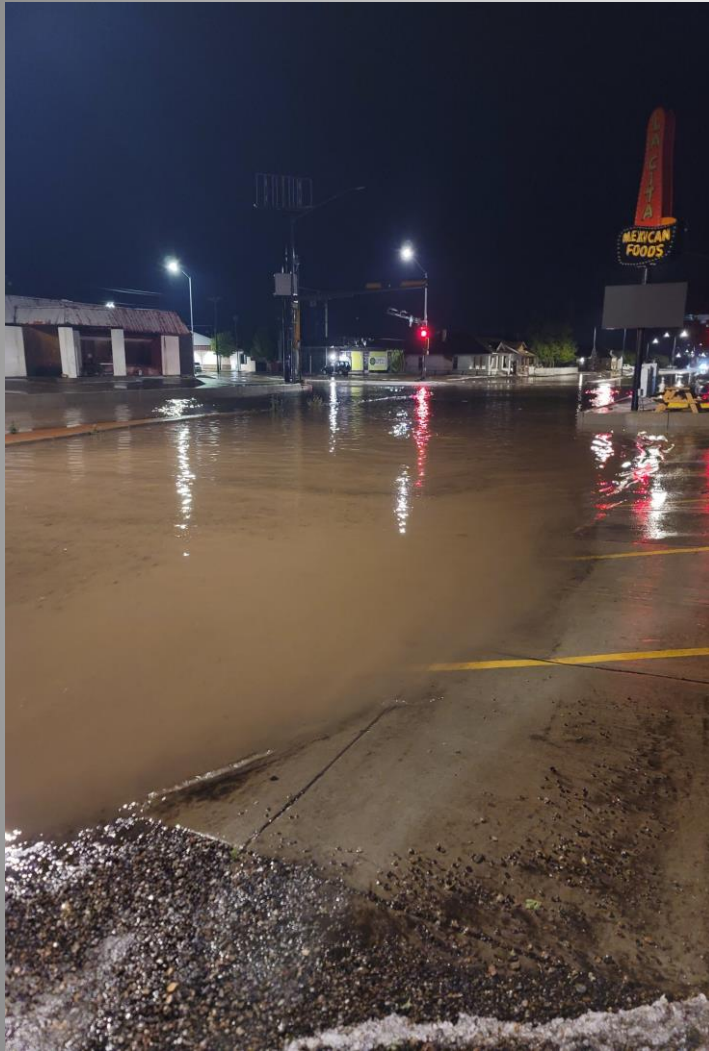


Photo courtesy Russ Smith
Clovis Flash Flooding | May 24th



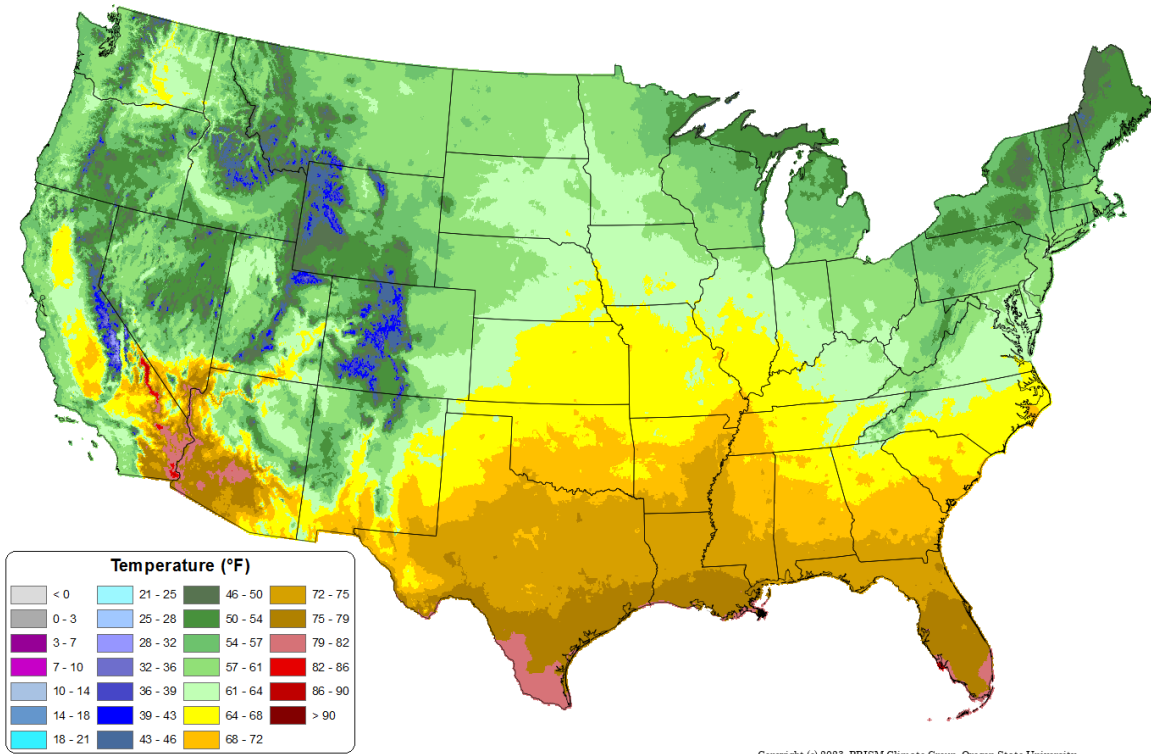
Photo courtesy Jennifer Shoemake
Hail Encino | May 26th



Photo courtesy Phil Bergmaier
Clovis River of Hail | May 26th

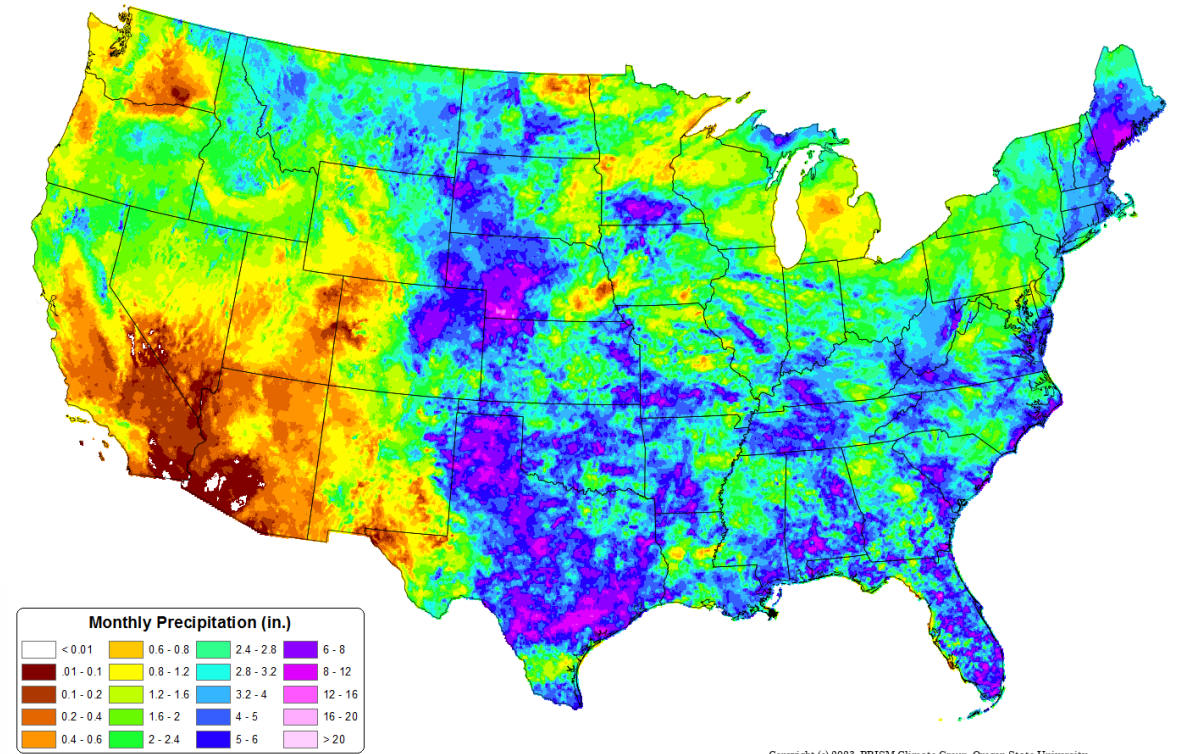
Temperatures

Average Daily Mean Temperature: May 2023
Period ending 7 AM EST 31 May 2023
(Map created 02 Jun 2023)



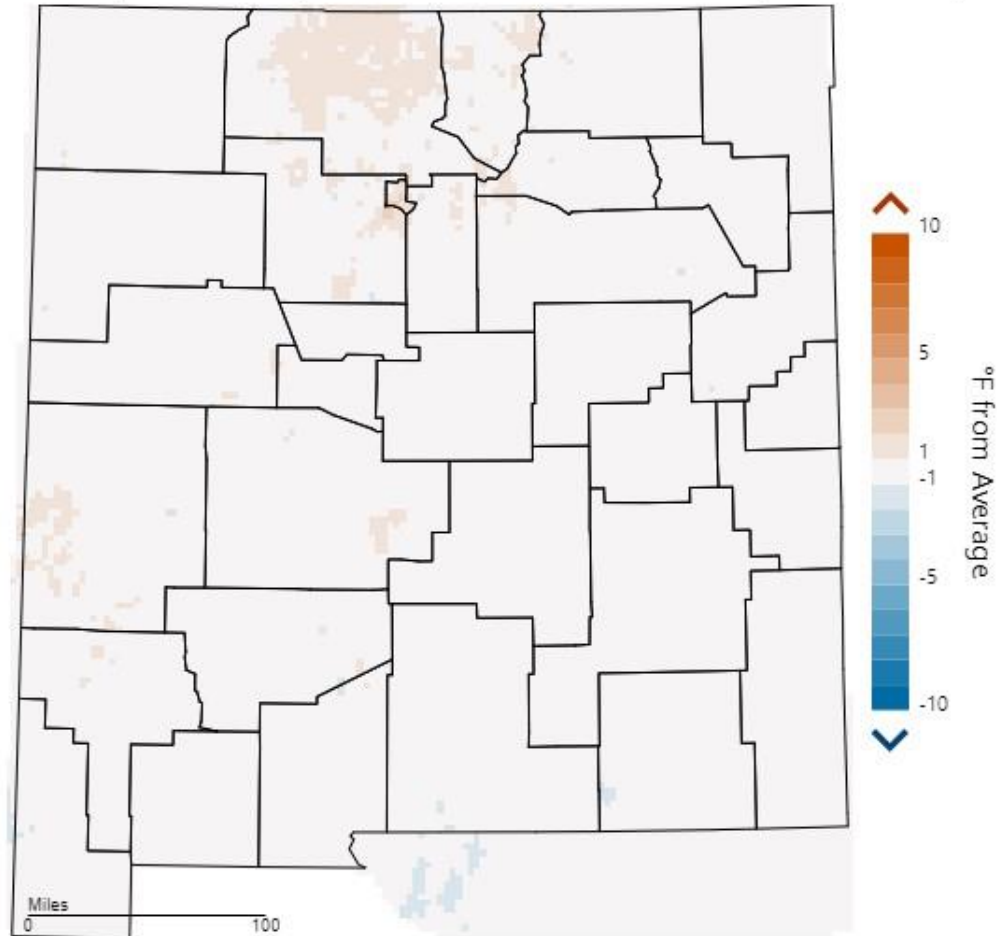
Precipitation

Total Precipitation: May 2023
Period ending 31 May 2023
(Map created 02 Jun 2023)



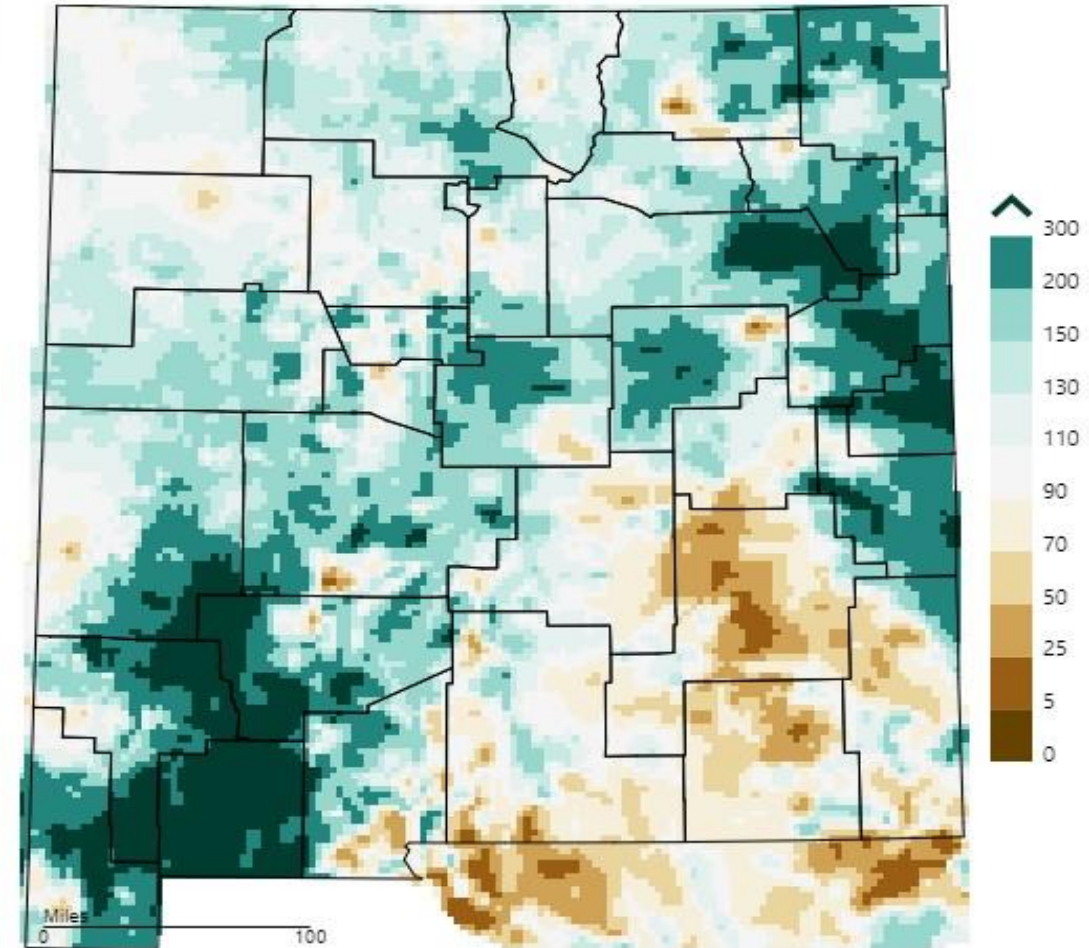
Temperature Departure

Mean Temperature Departures from 1991-2020 Computed Average(s)



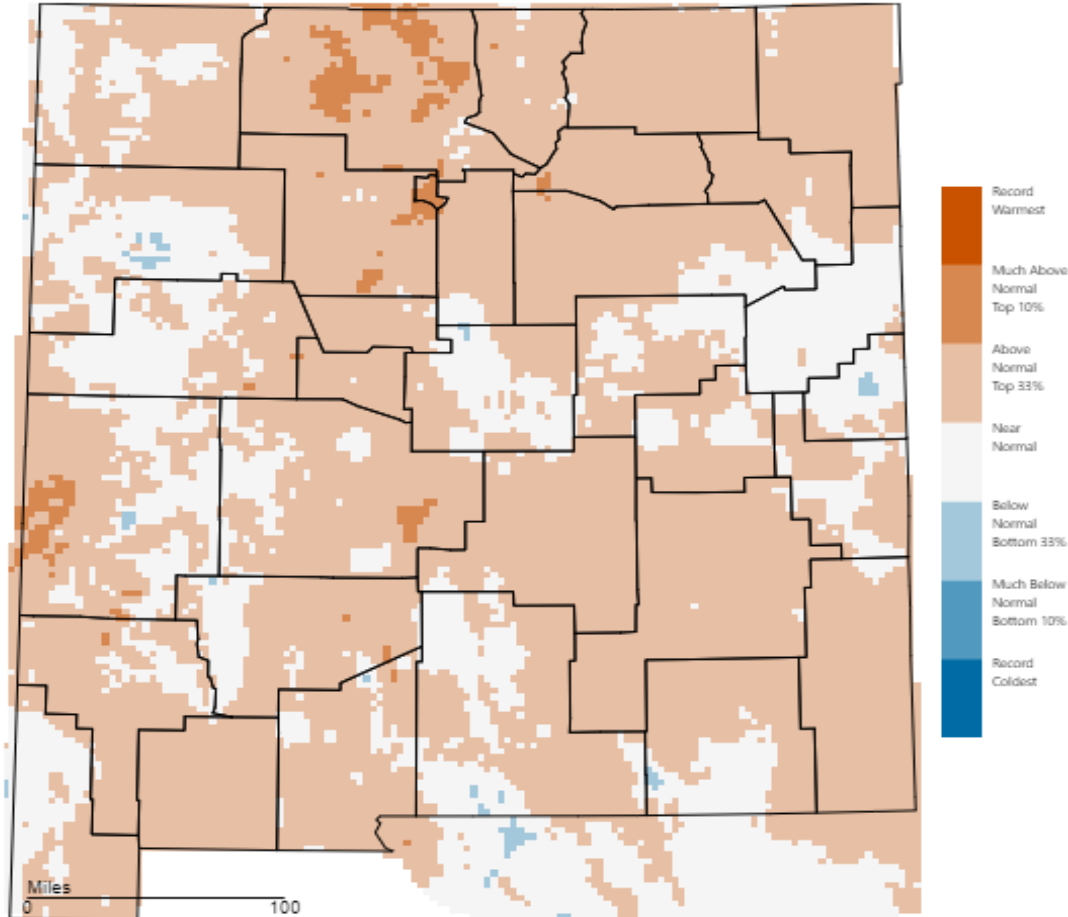
Precipitation % of Average

Precipitation Percents of 1991-2020 Computed Average(s)



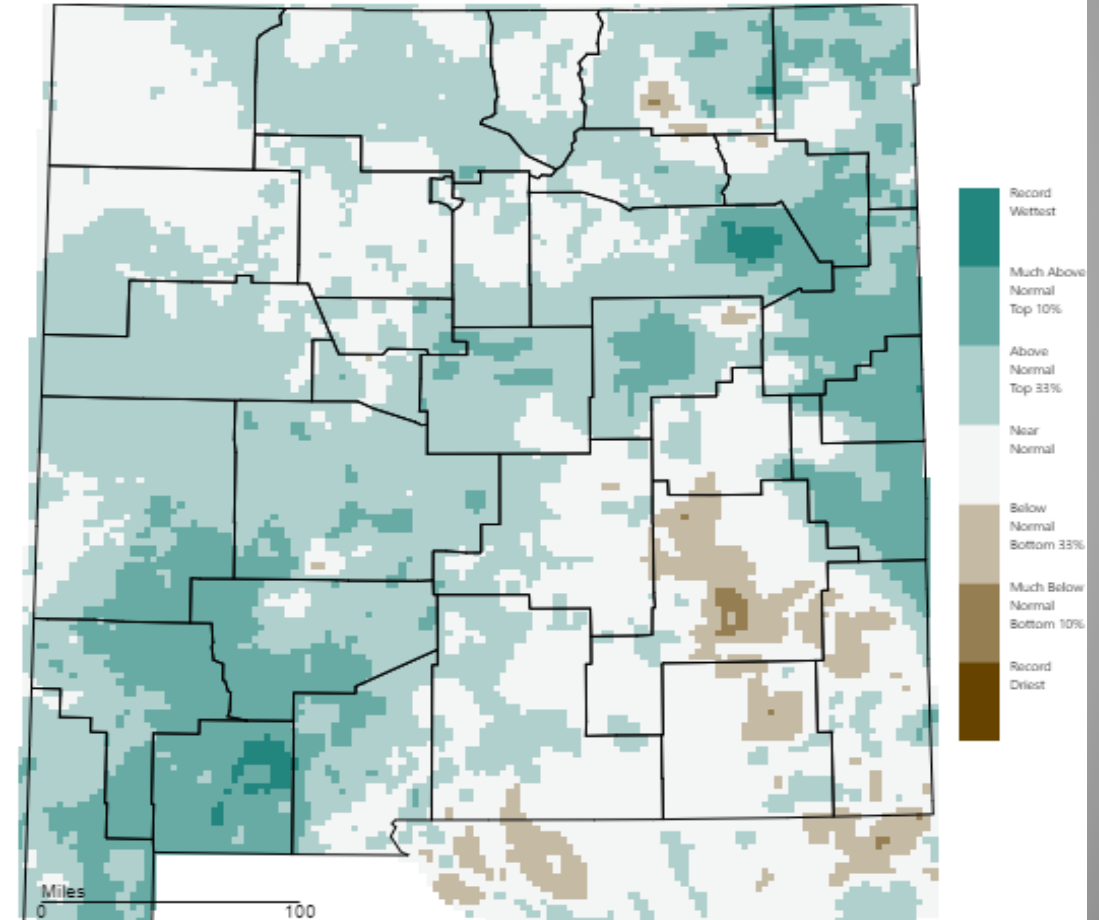
Temperature Departure

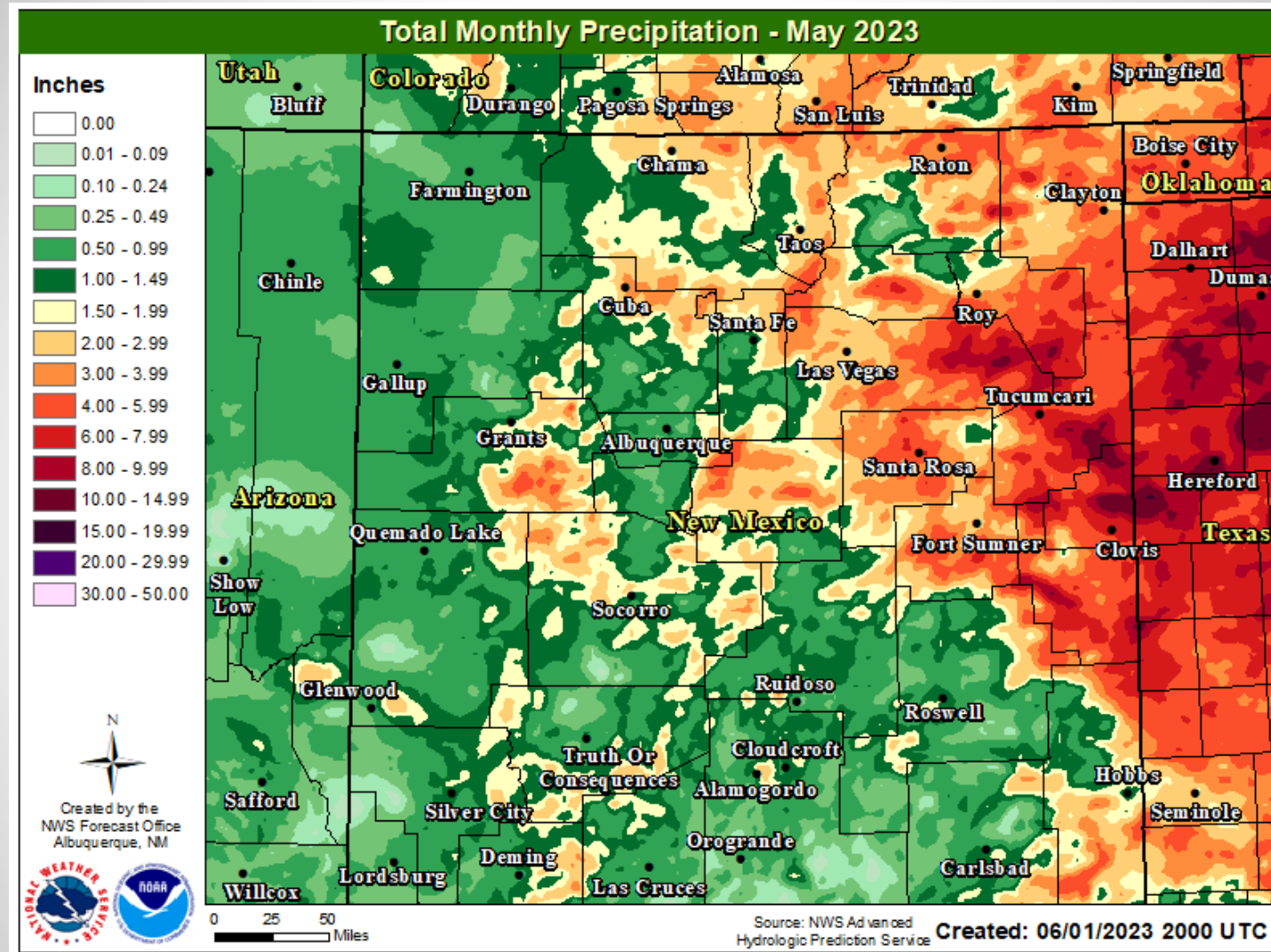
Mean Temperature Percentile Ranking



Precipitation % of Average

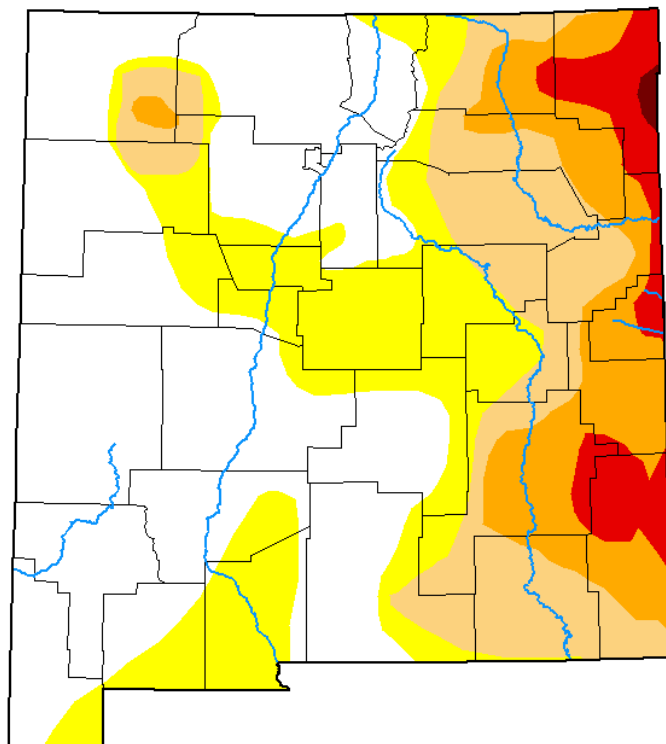
Precipitation Percentile Ranking





The heaviest rain fell in the eastern plains where over 5" fell in a few places.
Rainfall totals in excess of 1" were widespread.

U.S. Drought Monitor New Mexico



May 2, 2023
(Released Thursday, May. 4, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	46.60	53.40	32.10	16.18	4.99	0.21
Last Week 04-25-2023	46.63	53.37	32.14	16.19	4.18	0.21
3 Months Ago 01-31-2023	17.92	82.08	47.31	18.37	3.78	0.19
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 05-03-2022	0.00	100.00	98.94	95.79	79.05	24.64

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

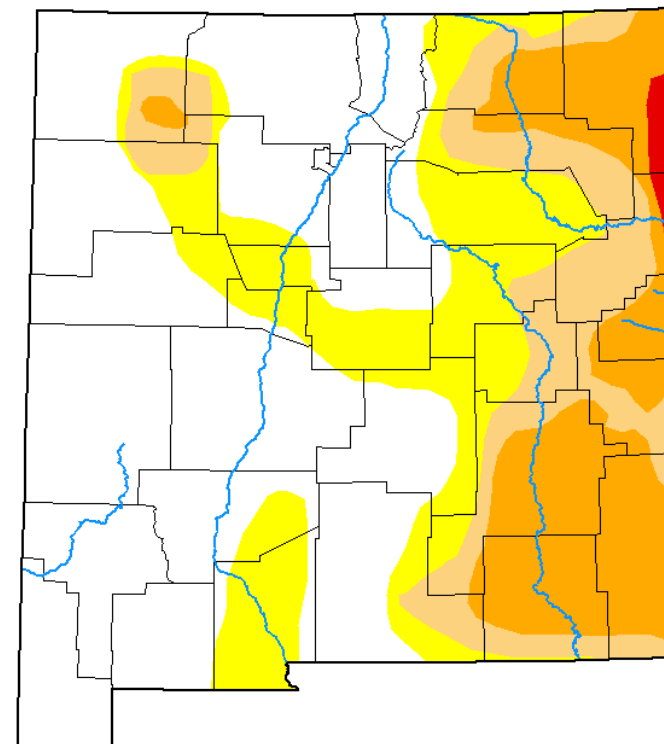
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
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CPC/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



May 30, 2023
(Released Thursday, Jun. 1, 2023)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	51.73	48.27	28.82	16.18	0.60	0.00
Last Week 05-23-2023	51.74	48.26	32.32	18.89	3.00	0.00
3 Months Ago 02-28-2023	25.96	74.04	44.75	16.46	3.82	0.19
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 05-31-2022	0.00	100.00	99.26	97.20	90.06	45.84

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

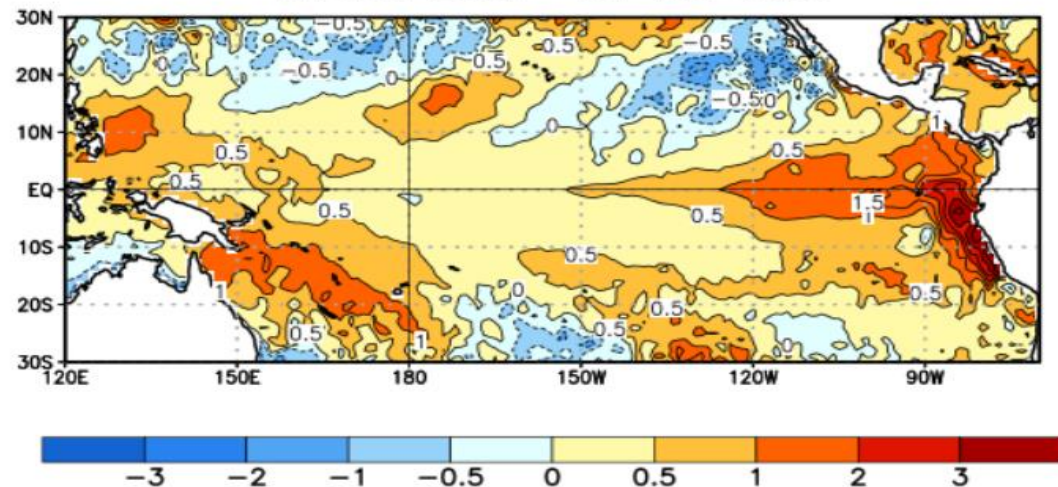
Author:
Richard Heim
NCEI/NOAA



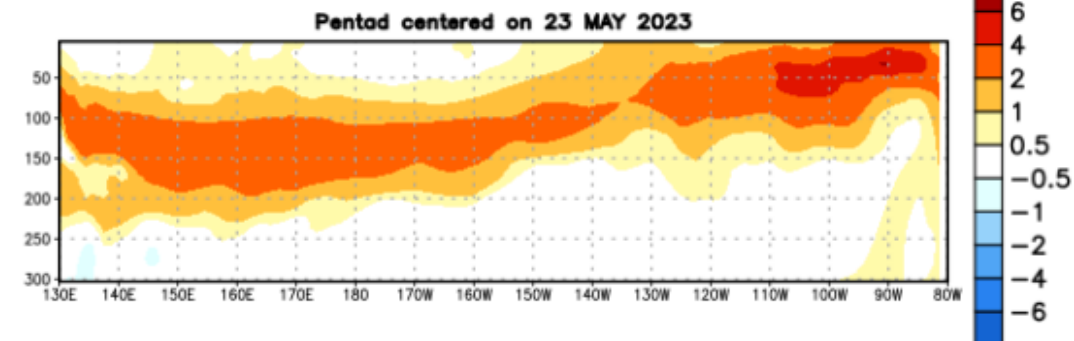
droughtmonitor.unl.edu

Drought conditions improved in eastern NM thanks to rounds of showers and storms. Exceptional drought was completely removed from the state and the severe drought was trimmed back as well.

Average SST Anomalies
30 APR 2023 – 27 MAY 2023



EQ. Subsurface Temperature Anomalies (deg C)



Most recent pentad analysis

EQ. Upper-Ocean Heat Anoms. (deg C) for 180–100W

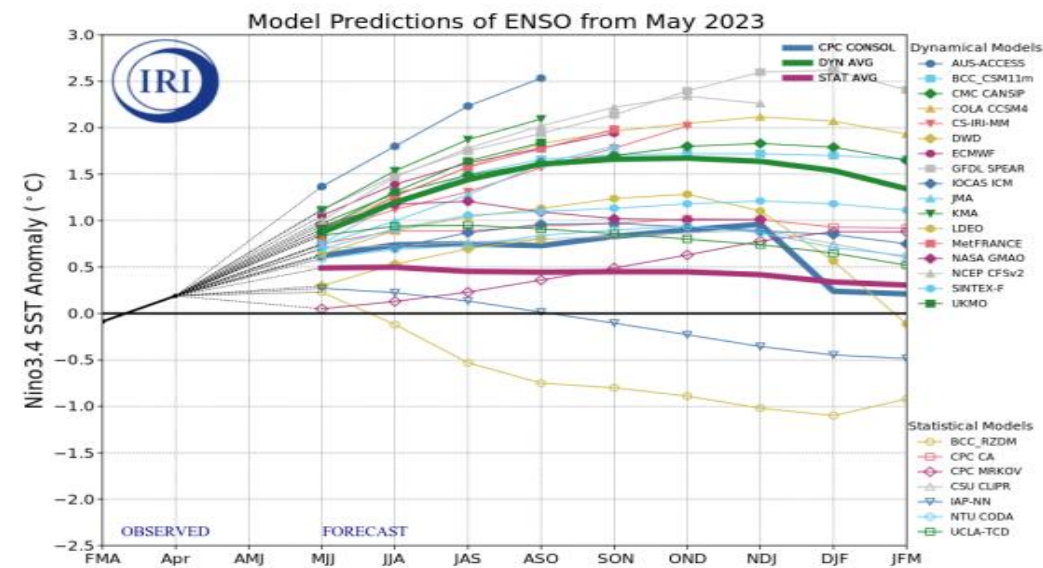
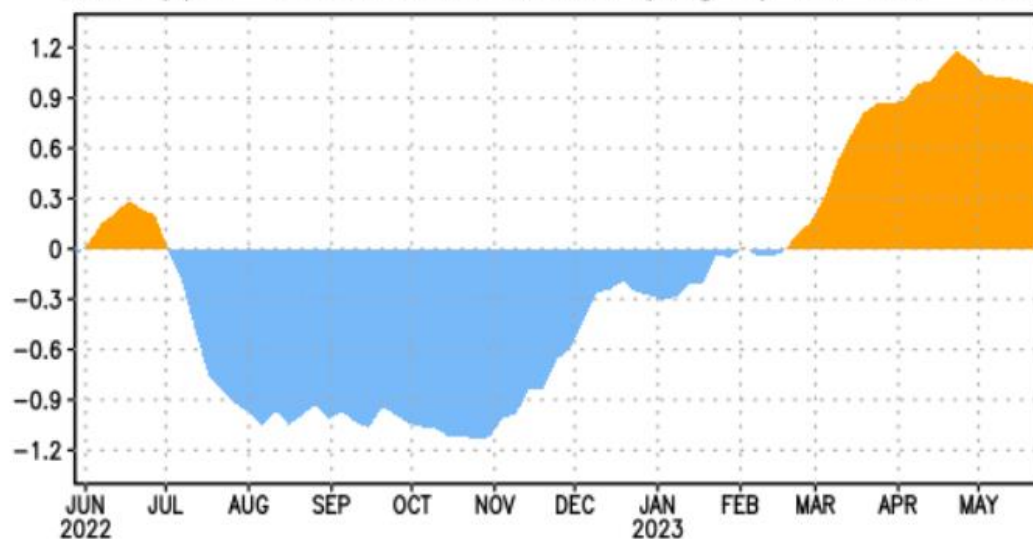
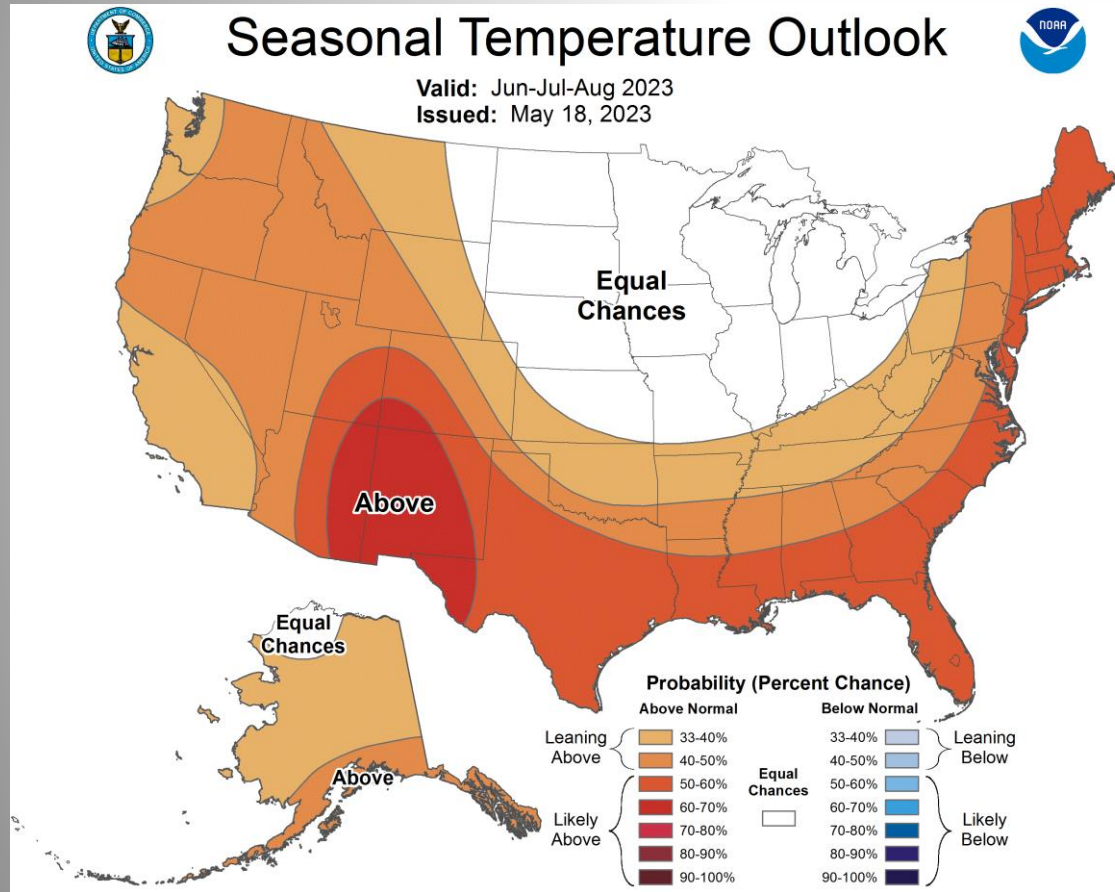
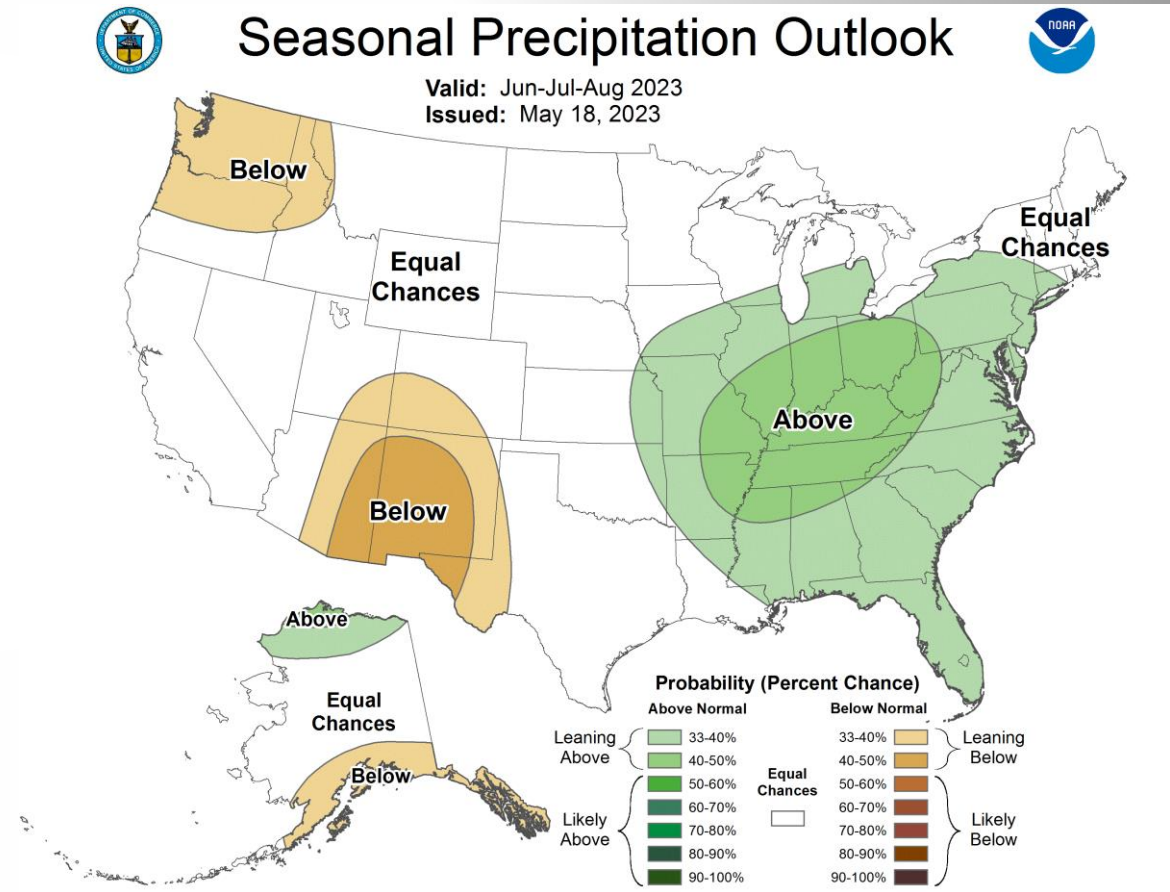


Figure provided by the International Research Institute (IRI) for Climate and Society (updated 19 May 2023).

Temperature June-July-August



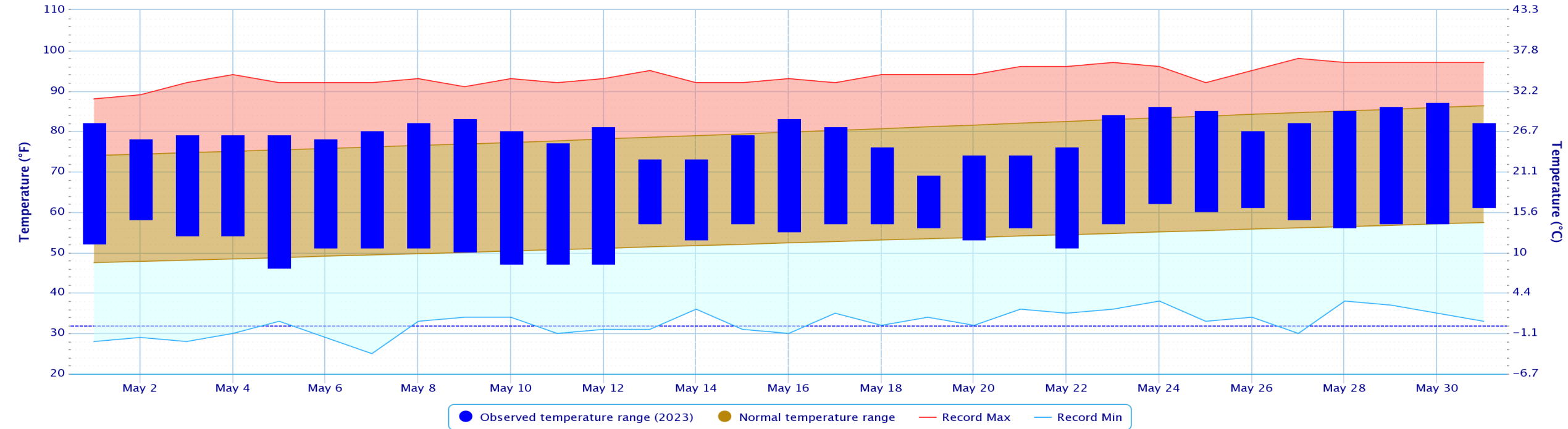
Precipitation June-July-August



Average Temperature: 67.1°

Daily Temperature Data – ALBUQUERQUE INTL AP, NM

Period of Record – 1891-12-01 to 2023-06-03. Normals period: 1991-2020. Click and drag to zoom chart.



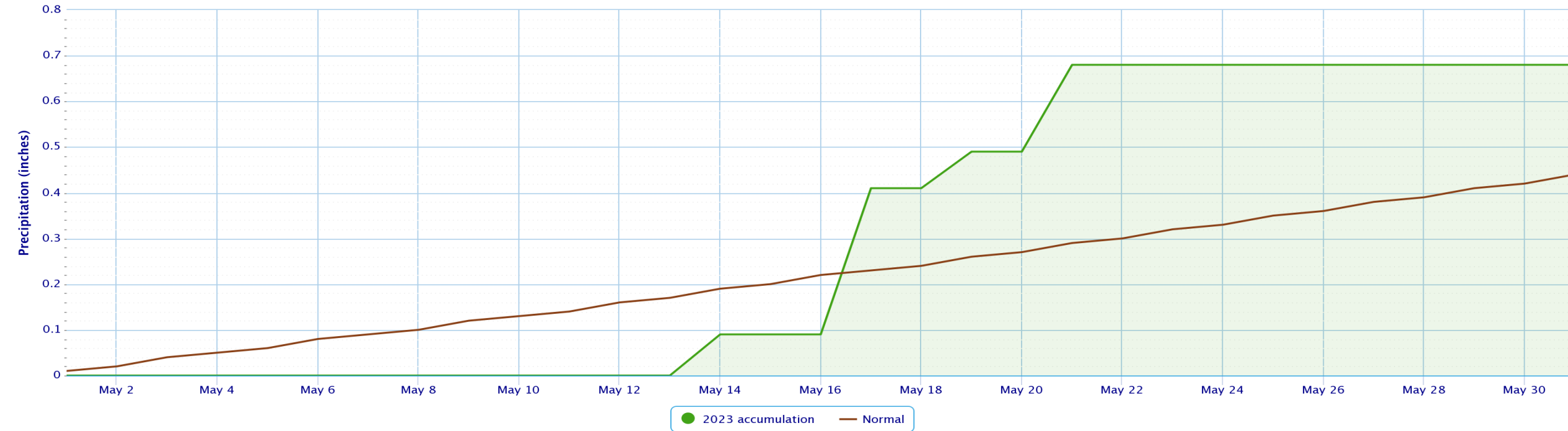
Powered by ACIS

The May 2023 average temperature for Albuquerque was 67.1°, which was 1.0° above the normal of 66.1°. The average maximum temperature for the month was 79.8°. This was 0.1° below the normal average maximum temperature of 79.9°. The average minimum temperature for the month was 54.5°. This was 2.1° above the normal average minimum temperature of 52.4°. This ranked as the 55th warmest May on record.

Precipitation: 0.68"

Accumulated Precipitation – ALBUQUERQUE INTL AP, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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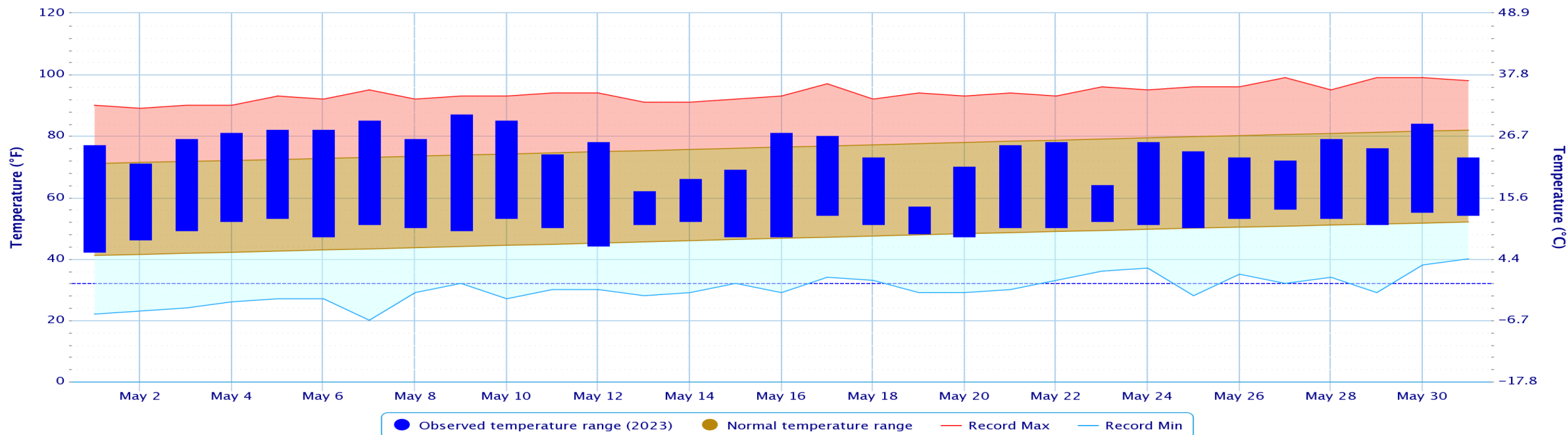
The May 2023 precipitation for Albuquerque was 0.68", which was 0.24" above the normal of 0.44". This ranked as the 36th wettest May on record.

There was 0.0" of snow, compared to the normal of 0.0".

Average Temperature: 63.0°

Daily Temperature Data – CLAYTON MUNICIPAL AIR PARK, NM

Period of Record – 1896-02-01 to 2023-06-03. Normals period: 1991-2020. Click and drag to zoom chart.



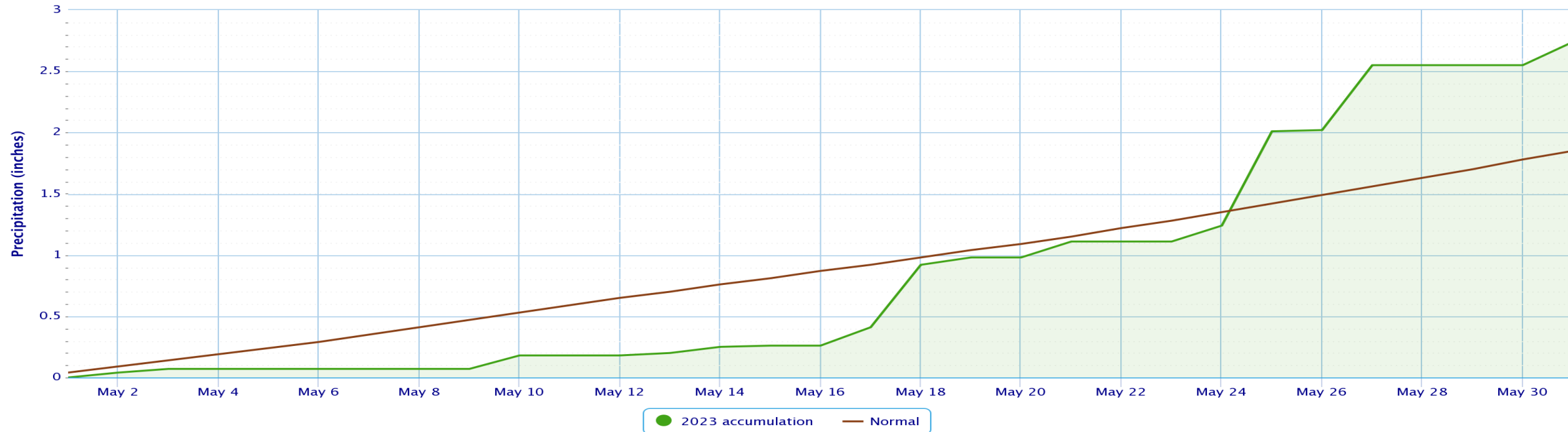
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The May 2023 average temperature for Clayton was 63.0°, which was 1.5° above the normal of 61.5°. The average maximum temperature for the month was 75.7°. This was 0.7° below the normal average maximum temperature of 76.4°. The average minimum temperature for the month was 50.3°. This was 3.7° above the normal average minimum temperature of 46.6°. This ranked as the 46th warmest May on record.

Precipitation: 2.74"

Accumulated Precipitation – CLAYTON MUNICIPAL AIR PARK, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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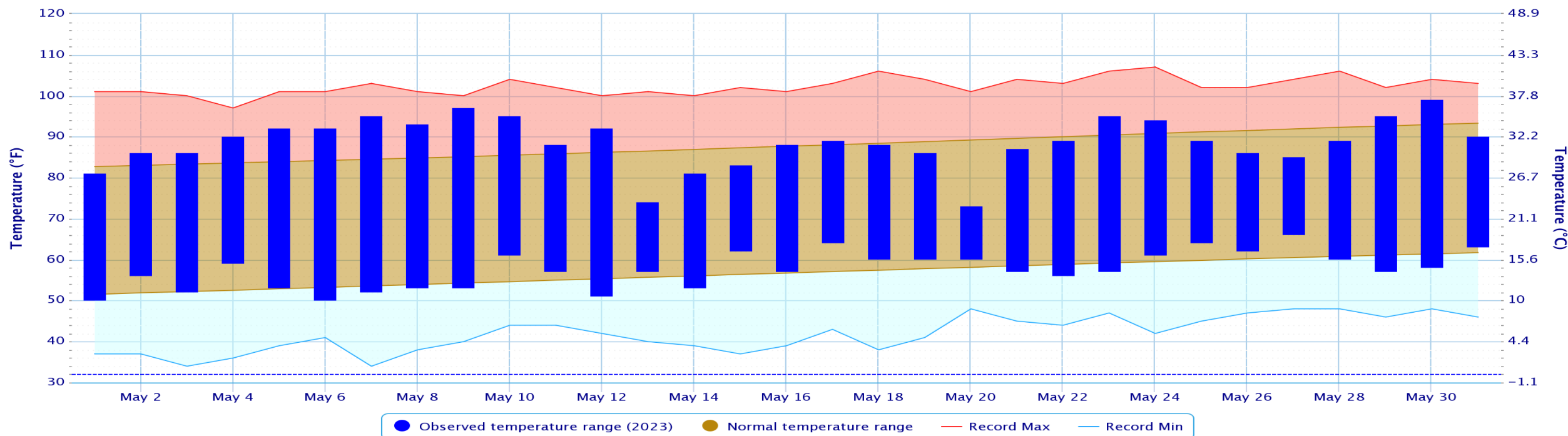
The May 2023 precipitation for Clayton was 2.74", which was 0.89" above the normal of 1.85". This ranked as the 34th wettest May on record.

There was 0.0" of snow, compared to the normal of 0.5".

Average Temperature: 73.0°

Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946-12-01 to 2023-06-03. Normals period: 1991-2020. Click and drag to zoom chart.



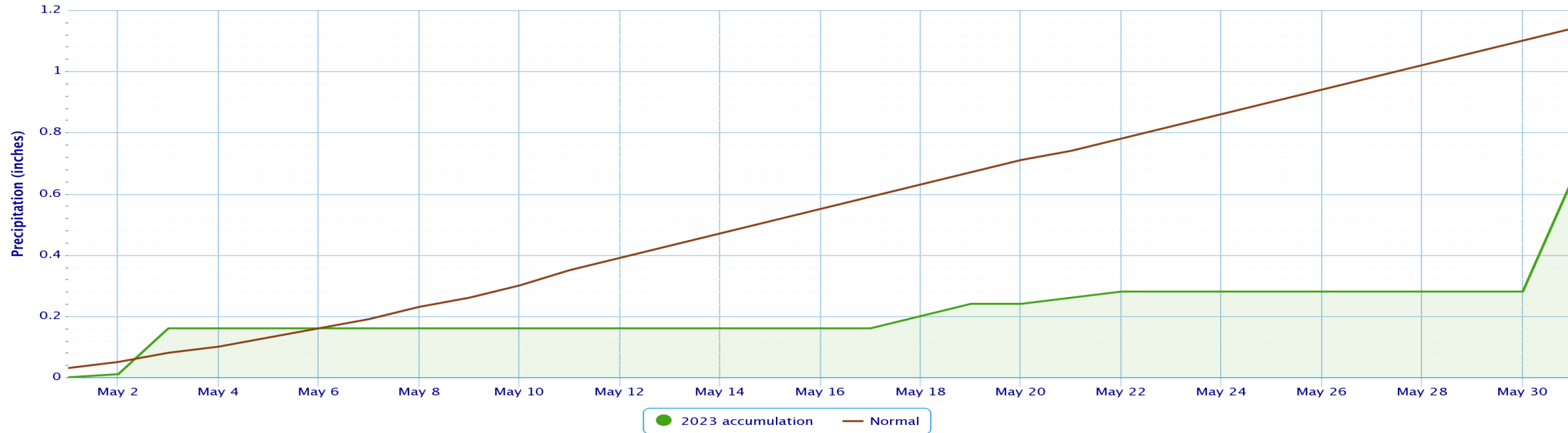
Powered by ACIS

The May 2023 average temperature for Roswell was 73.0°, which was 0.7° above the normal of 72.3°. The average maximum temperature for the month was 88.6°. This was 0.8° above the average maximum temperature of 87.8°. The average minimum temperature for the month was 57.5°. This was 0.8° above the normal average minimum temperature of 56.7°. This ranked as the 14th warmest May on record.

Precipitation: 0.65"

Accumulated Precipitation – ROSWELL INDUSTRIAL AIR PARK, NM








Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Powered by ACIS

The May 2023 precipitation for Roswell was 0.65", which was 0.49" below the normal of 1.14". This ranked as the 33rd driest May on record.

There was 0.0" of snow, compared to the normal of 0.0".

-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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